



Intellectual
Property Law

10-14-03

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Patents
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Commissioner for Patents
PO Box 1450
Alexandria VA 22313-1450

October 6, 2003

Art Unit 1754
Examiner: Wright, William G.

Re: Application of Joseph Pugach et al
Application Number 09/997,617
Filed 11/29/2001
"Conversion of CO to CO₂"

Sir:

This is in response to the Official Action of August 22, 2003.

Amendments

Please amend claims 1 and 12 as follows:

1. (Currently Amended) Method of oxidizing CO in a mixture of gases including oxygen and at least 65% hydrogen comprising passing said mixture of gases through a catalyst bed comprising a catalyst made by (a) preparing an aqueous iron/gold solution comprising an iron source and a gold source (b) gradually combining said iron/gold solution with an aqueous solution of an alkali metal base to maintain a pH of 7 to 9 in the combined solution as the solutions are combined, thereby producing solids in said combined solution [(d)] (c) separating said solids from said combined solution [(e)] (d) washing said solids, [(f)] (e) drying said solids, [(g)] (f) grinding said solids to a size range of 0.85mm to 4.25mm, [and (h)] (g) calcining said solids, and (h) activating said solids.
12. (Currently Amended) Method of oxidizing CO in a mixture of gases including oxygen and at least 65% hydrogen and wherein said CO is present in an amount from 200ppm to 20,000ppm, said gas also containing methane, comprising passing said mixture of gases through a catalyst bed comprising a particulate catalyst made by (a) preparing an aqueous iron/gold solution comprising an iron source and a gold source (b) gradually combining said iron/gold solution with

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